

Dmaje



Patent
Attorney's Docket No. 034074-685

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
James E. Audia) Group Art Unit: 1624
Application No.: 09/882,777) Examiner: Bruck Kifle
Filed: June 14, 2001) Confirmation No.: 1280
For: Polycyclic A-Amineo-ε Caprolactams and)
Related Compounds)

SUPPLEMENTAL COMMUNICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The referenced application is now under a Notice of Allowance. During applicants' post-allowance audit of the file, we have discovered that applicants have not received an acknowledgement of the Information Disclosure Statement filed on September 10, 2001. As a result, applicants do not have any record confirming that the Information Disclosure Statement was received by the Examiner and that the cited references were considered. During a telephone conversation with Examiner Kifle of March 17, 2004, he confirmed that the IDS had been received and considered, and agreed to provide applicants with an Examiner-initialed copy of that PTO-1449 form, and suggested applicants file this Supplemental Communication to facilitate that acknowledgement. Accordingly, applicants hereby request that the U.S. Patent and Trademark Office provide an acknowledgement in the form of an Examiner-initialed copy of that Information Disclosure Statement at the earliest opportunity.

Supplemental Communication
Application No. 09/882,777
Attorney's Docket No. 034074-685
Page 2

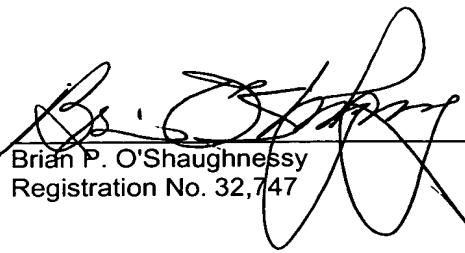
If the Examiner has any questions or comments regarding this request, applicants encourage the Examiner to contact their representative at the number provided below.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: March 17, 2004

By:

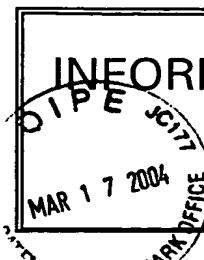


Brian P. O'Shaughnessy
Registration No. 32,747

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

<p style="text-align: center;">INFORMATION DISCLOSURE CITATION</p> <p>MAR 17 2004</p> <p>PTO-1449</p>				ATTORNEY'S DKT NO. 002010-685	APPLICATION NO. 09/882,777	
				APPLICANT Audia, et al.		
				FILING DATE June 14, 2001	GROUP 1624	
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	3,598,859	8/10/71	Yates, et al.			
	3,657,341	4/18/72	Thorne			
	4,080,449	3/21/78	Croisier, et al.			
	4,477,464	10/16/84	Slade, et al.			
	4,666,829	5/19/87	Glenner, et al.			
	4,977,168	12/11/90	Bernat, et al.			
	5,238,932	8/24/93	Flynn, et al.			
	5,283,241	2/1/94	Bochis, et al.			
	5,284,841	2/8/94	Chu, et al.			
	5,324,726	6/28/94	Bock, et al.			
	5,360,802	11/1/94	Chambers, et al.			
	5,420,271	5/30/95	Warshawsky, et al.			
	5,478,857	12/26/95	Clemens, et al.			
	5,556,969	9/17/96	Chambers, et al.			
	5,633,251	5/27/97	Claremon, et al.			
	5,658,901	8/19/97	Claremon, et al.			
	5,712,397	1/27/98	Esser, et al.			
	5,770,573	6/23/98	Arrhenius, et al.			
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No
	0 061 187	9/29/82	Europe			
	0 167 919	1/15/86	Europe			
	0 284 256	9/28/88	Europe			
	0 349 949	1/10/90	Europe			
	0 376 849	7/4/90	Europe (Abstract in English)			

COPY

 INFORMATION DISCLOSURE CITATION PTO-1449	ATTORNEY'S DKT NO. 002010-685	APPLICATION NO. 09/882,777
	APPLICANT Audia, et al.	
	FILING DATE June 14, 2001	GROUP 1624

	0 434 360	6/26/91	Europe			
	0 434 364	6/26/91	Europe			
	0 434 369	6/26/91	Europe			
	0 490 590	6/17/92	Europe			
	0 514 133	11/19/92	Europe			
	0 523 845	1/20/93	Europe			
	0 549 039	6/30/93	Europe			
	0 647 632	4/12/95	Europe			
	0 652 009	8/16/95	Europe			
	0 667 344	8/16/95	Europe (Abstract in English)			
	0 677 517	10/18/95	Europe			
	0 732 399	9/18/96	Europe			
	0 778 266	11/6/97	Europe			
	1 519 495	7/6/78	Great Britain			
	1 573 931	8/18/80	Great Britain			
	2 272 439	5/18/94	Great Britain			
	2 290 788	1/10/96	Great Britain			
	04210967	8/3/94	Japan (Abstract in English)			
	06145148	5/24/94	Japan (Abstract in English)			
	07304770	11/21/95	Japan (Abstract in English)			
	10072444	3/17/98	Japan (Abstract in English)			
	92/01683	2/6/92	WIPO			
	92/16524	10/1/92	WIPO			
	93/19052	9/30/93	WIPO			
	93/19063	9/30/93	WIPO			
	94/05693	3/17/94	WIPO			
	94/04531	3/3/94	WIPO			
	94/07486	4/14/94	WIPO			
	94/10569	5/11/94	WIPO			

COPY

P E JCITY
MAY 11 2004

INFORMATION DISCLOSURE CITATION

PTO-1449

ATTORNEY'S DKT NO.
002010-685APPLICATION NO.
09/882,777APPLICANT
Audia, et al.FILING DATE
June 14, 2001GROUP
1624

	95/03289	2/2/95	WIPO			
	95/03290	2/2/95	WIPO			
	95/09838	4/13/95	WIPO			
	95/14671	6/1/95	WIPO			
	95/21840	8/17/95	WIPO			
	95/23810	9/8/95	WIPO			
	95/25118	9/21/95	WIPO			
	95/32191	11/30/95	WIPO			
	96/05839	2/29/96	WIPO			
	96/16981	6/6/96	WIPO			
	96/20725	7/11/96	WIPO			
	96/22966	8/1/96	WIPO			
	96/40146	12/19/96	WIPO			
	96/40653	12/19/96	WIPO			
	96/40654	12/19/96	WIPO			
	96/40655	12/19/96	WIPO			
	96/40656	12/19/96	WIPO			
	97/30072	8/21/97	WIPO			
	97/38705	10/23/97	WIPO			
	98/00405	1/8/98	WIPO			
	98/25930	6/18/98	WIPO			
	98/28268	7/2/98	WIPO			
	98/38177	9/3/98	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Aquino, et al. "Discovery of 1,5-Benzodiazepines with Peripheral Cholecystokinin (CCK-A) Receptor Agonist Activity. 1. Optimization of the Agonist "Trigger." *J. Med. Chem.* 39: 562-569 (1996).

COPY

**INFORMATION DISCLOSURE
CITATION**

PTO-1449

	ATTORNEY'S DKT NO. 002010-685	APPLICATION NO. 09/882,777
SEARCHED MAR 17 2004 U.S. PATENT & TRADEMARK OFFICE	APPLICANT Audia, et al.	
	FILING DATE June 14, 2001	GROUP 1624

	Bock, et al. "Selective Non-Peptide Ligands for an Accommodating Peptide Receptor. Imidazobenzodiazepines as Potent Cholecystokinin Type B Receptor Antagonists." <i>Bioorg. and Med. Chem. Lets.</i> 2(9):987-998 (1994).
	Bock, et al. "Synthesis and Resolution of 3-Amino-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-ones." <i>J. Org. Chem.</i> 52: 3232-3239 (1987).
	Bock, et al. "An Expedient Synthesis of 3-Amino-1,3-Dihydro-5-Phenyl-2H-1,4-Benzodiazepin-2-one." <i>Tet. Lets.</i> 28(9): 939-942 (1987).
	Chambers, et al. L-708,474: the C5-Cyclohexyl Analogue of L-365,260, A Selective High Affinity Ligand for the CCKB/Gastrin Receptor." <i>Bioorg. and Med. Chem. Letts.</i> 3(10):1919-1924 (1993).
	Chartier-Harlin, et al. "Early-onset Alzheimer's disease caused by mutations at codon 717 of the β -Amyloid precursor protein gene." <i>Nature</i> . 353: 844-846 (1991).
	Citron, et al. "Mutation of the β -amyloid precursor protein in familial Alzheimer's disease increases β -amyloid protein production." <i>Nature</i> 360:672-674 (1992).
	Cordell. "B-Amyloid Formation as a Potential Therapeutic Target for Alzheimer's Disease." <i>Ann. Rev. Pharmacol. Toxicol.</i> 34:69-89 (1994).
	Evans, et al. "Methods for Drug Discovery: Development of Potent, Selective Orally Effective Cholecystokinin Antagonists." <i>J. Med. Chem.</i> 31:2235-2246 (1988).
	Evans, et al. "Molecular Mimicry and the Design of Peptidomimetics." <i>Molecular Mimicry in Health and Disease</i> . (A. Lernmark, et al., eds.) Elsevier Science Publishers B.v. (Biomedical Division) (1988) pp. 23-34.
	Finizia, et al. "Synthesis and Evaluation of Novel 1,5-Benzodiazepines as potent and selective CCK-B Ligands, Effect of the Substitution of the N-5 Phenyl with Alkyl Groups." <i>Bioorg. & Medicinal Chemistry Letters</i> . 6(24):2957-2962 (1996).
	Glenner, et al. "Alzheimer's disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein." <i>Biochem. Biophys. Res. Commun.</i> 120(3): 885-890 (1984).
	Goate, et al. "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease." <i>Nature</i> . 349: 704-706 (1991).
	Hirst, et al. "Discovery of 1,5-Benzodiazepines with Peripheral Cholecystokinin (CCK-A) Receptor Agonists Activity (II): Optimization of the C3 Amino Substituent." <i>J. Med. Chem.</i> 39: 5236-5245 (1996).
	Hofmann, et al. "Interactions of Benzodiazepine Derivatives with Annexins." <i>J. Biol. Chem.</i> 273(5):2885-2894 (1998).
	Johnson-Wood, et al. "Amyloid precursor protein processing and $A\beta_{42}$ deposition in a transgenic mouse model of Alzheimer's disease." <i>PNAS USA</i> . 94: 1550-1555 (1997).
	Ksander, G.M., et al. "Dual Angiotensin Converting Enzyme/Thromboxane Synthase Inhibitors." <i>J. Med. Chem.</i> 37: 1823-1832 (1994).
	Lowe, et al. "A Water Soluble Benzazepine Cholecystokinin-B-Receptor Antagonist." <i>Bioorg. and Med. Chem. Lets.</i> 5(17): 1933-1936 (1995).
	Lowe, et al. "5-Phenyl-3-ureidobenzazepin-2-ones as Cholecystokinin-B Receptor Antagonists." <i>J. Med. Chem.</i> 37: 3789-3811 (1994).

COP

INFORMATION DISCLOSURE CITATION

PTO-1449

ATTORNEY'S DKT NO.
002010-685

APPLICATION NO.
09/882,777

APPLICANT
Audia, et al.

FILING DATE
June 14, 2001

GROUP
1624



Mullan, et al. "A pathogenic mutation for probable Alzheimer's disease in the APP gene at the N-terminus of β -amyloid." <i>Nature Genet.</i> 1: 345-347 (1992).	
Murrell, et al. "A Mutation in the Amyloid Precursor Protein Associate with Hereditary Alzheimer's Disease." <i>Science.</i> 254: 97-99 (1991).	
Papadopoulos, et al. Anodic Oxidation of N-Acyl and N-Alkoxy carbonyl Dipeptide Esters as a Key Step for the Formation of Chiral Heterocyclic Synthetic Building Blocks." <i>Tetrahedron</i> 47(4/5):563-572 (1991).	
Patel, et al. "Biological Properties of the Benzodiazepine Amidine Derivative L-740,093, a Choleycystokinin-B/Gastrin Receptor Antagonist with High Affinity in vitro and High Potency in vivo." <i>Molecular Pharmacology.</i> 46:943-948 (1994).	
Rittle, et al. "A New Amine Resolution Method and its Application to 3-Aminobenzodiazepines." <i>Tet. Lett.</i> 28(5):521-522 (1987).	
Satoh, et al. "New 1,4-Benzodiazepine-2-one Derivatives as Gastrin/Cholecytokinin-B Antagonists." <i>Chem. Pharm. Bull.</i> 43(12): 2159-2167 (1995).	
Selkoe, et al. "Amyloid Protein and Alzheimer's Disease." <i>Scientific American.</i> 68-78 (1991).	
Selkoe, et al. "The Molecular Pathology of Alzheimer's Disease." <i>Neuron.</i> 6:487-498 (1991).	
Semple, et al. "Design, Synthesis, and Evolution of a Novel, Selective, and Orally Bioavailable Class of Thrombin Inhibitors: P1-Argininal Derivatives Incorporating P3-P4 Lactam Sulfoamide Moieties." <i>J. Med. Chem.</i> 39: 4531-4536 (1996).	
Semple, et al. "A Facile Large Scale Synthesis of Optically Active 3-Amino-5-(2-Pyridyl)-1,4-Benzodiazepin-2-One Derivatives." <i>Synthetic Communications.</i> 26(4): 721-727 (1996).	
Seubert, et al. "Isolation and quantification of soluble Alzheimer's peptide from biological fluids." <i>Nature.</i> 359: 325-327 (1992).	
Sherrill, et al. "An Improved Synthesis and Resolution of 3-Amino-1,3 dihydro-5-phenyl-2H-1,4-benzodiazepin-2-ones." <i>J. Org. Chem.</i> 60:730-734 (1995).	
Showell, et al. "High Affinity and Potent, Water-Soluble 5-Amino-1,4-Benzodiazepine CCKB/Gastrin Receptor Antagonists Containing a Cationic Solubilizing Group." <i>J. Med. Chem.</i> 37:719-721 (1994).	
Smith, et al. " β -APP Processing as a Therapeutic Target for Alzheimer's Disease." <i>Current Pharmaceutical Design.</i> 3:439-445 (1997).	
Van Niel, et al. "CCKB Selective Receptor Ligands: Novel 1,3,5-Trisubstituted Benzazepin-2-ones." <i>Bioorganic & Medicinal Chemistry Letters.</i> 5(13):1421-1426 (1995).	
Varnavas, et al. "Synthesis of New Benzodiazepine Derivatives as Potential Cholecytokinin Antagonists." <i>Il Farmaco.</i> 46(2):391-401 (1991).	
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY